andor	han	0	8 7t.	Dank	trois.		
7'	7 2	Day	contr	nus	`-		
Mr. of R. mangatais tra					,		
mang is itra	12	,					
ampásimíloka							
	1						
amborhipens Ff.		40	!				
Day's downey	1	29	. 1	0 0	. 1 . 1 .	/ *	0 ///
Total	4	237	8 1 2	Day au	bolups	mo W	ambahy
Savana	: 4	1					
Junction of Rivers analaka	∜	D by limiting			3.5		
& Matirian.	4 · · · · · · · · · · · · · · · · · · ·						
R. Mainty joins R. Mati banan		1 to			,		- 16
Mahamaninos H.	6	1					
M. of R. andakana	1/2	1 to				100	
M. of R. anavotra	1/2	2 4			52.		
Ranámbo	3/2	\$ \$					
M. of R. Salohy	_	10 mm					
R. mahitsy		70					
AnósiKely	10-						
		Top					
Confluence & houths of Rivers)						
manamore, manampotra	0	and the state of t					
manambato		And the first th					7
tarafangana	1/2	Company of the control of the contro					
ambahy	1/2						
Day's journey	to some	33-					
Total	The second of th	272	9K 0	Van an	wholy	to Vain	naindrans
Mahajasy		teambr					
mahaviran	The state of the s						
M. of R. Miánasimba	8	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$					
ankarana 7t.		¥ }					
M. of R. Jakoandry	8	1				•	
Jangong?	12						
manan ivo	5-	ę					
Benanovémana	5-	·	16. 100-7	- 0		20h 11	lanai de
Vangandrano 74.		241	Van	in de	se II	orr g	angaineran
Day's Journey		2001	west	Bén	-0 YY	ma 20	R. 7 miles.
Total		772	of An	deverse	to		
			0		-		

Anderorants to	71. Da	in Franco & Somis ika	Ander	and O H. Dang	phine 1
10th Day	Vanga	indrano a Somis Ka			ia & H. Dauphin.
R. mananara			Peak of Thapérité	3	
Betafo Village			M. of R. mananivo	10	
	10		LoKara		
Ekiena	2		marofojo Pt.		A SE - Vent V
	10		Phaperina		
	18		Ivatra	3	
Day's Sourney	41		M. of R. Lengorano		
	340		Fitoraka		
Elevanh	day	SomiseKa & Yanambé	Limpomany		25- 4 4 -
ambala fan drano	5-		Limpo many lason		
Mr. of R. Réngitra	4		St. Louis Hill		
M. g. R. gavibóla	7.		Lake Masianaka	\$ 1 2 4 8	
Tanámbi or Pavibola	/	_	Taolanara or H. Dauph	in 4	
Day's downey	2,5		Day's Soumey	17	
Total	365	Twelk day Tanambe & Samby	Total	4-30	
Vohivarikia	15-		A .		
ambatobé	5-		Mahana	no la Harrand	anarivo_ Grandidien_
Manantina			Mahanoro		
R. Samby & Village	5		Betsixaraina	5 -	
Day's downey	25-		ambodifarana	8-13	
Total	390	13th day Samby to St. Lucia	ambodi haramy	14	
R. Lovo Kantsantsa	7		amboli hara	12 26	
manambats	3		ambolitsara	16	
Tongotra Pt.	/		madio	14	
Lohavato	4		Voliibolo	8 30	
manonto Hill			Mahatsara	6 14	
Confluence & Moully of rivers			ambohitromby	10 On the K	?. mangóro
maimbava & manamboarivo	3		Ankasilanany	8	
N. pt. of Ste Lucia bay	4		Beparasy	13	
	/		ambo sinivongo	10	
manafiafy Day's donney	23		Soatsi manampio vana	12 Lieu char	mant qui ne changera jamais
Potal	4-13		ambatomanga	6 The place	for Ranavalona I
			antananarios	18 Laine	for Ranavalona I
			From Mahanero Total	158	
				,	

wo u	Mahavero - Sukes + Lerd.
12.	19th And 0.00: 00
	19 July - Rolling morrlands - Lofty
1 8	heights overledlig ankan von harrow. harrows.
10	21 et July.
-	30
5-	a mass of deep glins, varines dein-
	nous valleys.
15-	230 Longs dirty town with a laye char 50 24th Course S.E. over undulating
3	24 Course S.E. vor undulating
!	grund. Manakana 16 houses
	Path along banks of river -
god	· S
•	
13	25th Salara R Charles in a comme
dat	25 - Safara R. flows D'in a course
	11 to the mangers, wh. it joins to the East of the great brand.
15-	26th Theough dense woods.
12	27"
10	28th Masomaitso contains 40 houses,
. •	
14-	29th yms of travellers truss along a
and the second second	29". Yms of travellers tours along a nammer valley.
6	30 M
10	
10	15-8-
	13

Fianaran	tso	a l	J masindrano.
		directi	I Masindrano.
Fianarantson belakanis y			
			Mar grassy hills & Souns, coms matsitra, canors, but probable in
		. t	elason.
Tvato talana	13	N.E	over grossy plan with shrub.
Ranoma fana	14	F	Ter grassy plains, cons heatwaters
			I hamorona, dense forst;
	77		stup we.
Ambala fasana			Down the wooded valley of mong
ampasempotsy	19	Control of the state of the sta	Hungh wooded valleyo, comsing a
			many etreams.
Imaroam. Ivato vain	18	ESE	worded valleys, mabid descent high
I Vato vavy		i ĝ	hills on left; leave forest for spin comz
antanámbao	14		Grassy plains.
Priatosika	4	2 1	Gracy plains with patches of wit;
		14	como R. Mananjava in canocs.
Masindrano	10		Brier Canoes.
	展		
Zotal	157		
Total Masind	157	7	Yeanware 3 a.
11		7	Fianus 3 Canocs. Through scrub & forest; cross lathin
Masin drano to ambata vota	ran Ka 9	S. S	Through scrub & forest; cross lattice
11	ran Ka 9	S. S	Through scrub & forest; cross lathing
Masin drano to ambata vota	ran Ka 9	Service of the servic	Through scrub o forest; cross lattice
Masin drano to ambata vota	ran Ka 9	S. S	Through scrub of forest; cross lathing over open country a little pour sec- cross; cross lathe in canoes on leaving Ambato vo taka. Grossy peains in prosts westy
Masin drans to ambata vita Imáro hita	ran Ka 9	S. S	Through scrub of forest; cross lathin, over open country a little from see- cross; cross latte in canoes on laving. Ambato vo taka. Grossy peains in fronts westy lattes; cross latte near Imáro hita,
Masin drans to ambata vita Imáro hita	ran Ka 9	S. S	Through scrub of forest; cross lathing over open country a little pour sec- cross; cross lathe in canoes on leaving Ambato vo taka. Grossy peains in prosts westy
Masin drano to ambata vota Imáro hiba Namórona	La 9	S. S	Through scent of forest; cross lathing over open country a little from see. cross, cross lathe in canoes on laving. Ambato vo taka. Grossy peains with fronts westy lathes; cross lathe near Imarobita, + R. Inamorona in canoes.
Masindrano to Ambatavota Imáro hita Namórona	La 9	S. S	Through scent of forest; cross lathing over open country a little from see. cross, cross lathe in canoes on laving. Ambato vo taka. Grossy peains with fronts westy lathes; cross lathe near Imarobita, + R. Inamorona in canoes.
Masin drano to ambata vota Imáro hiba Namórona	15-	S. V. W.	Through scrub of forest; cross lash in over open country a little pure sec- cross cross lashe in canoes on towing. Ambato vo taka. Grossy pecine with fronts; westy lashes; cross lashe near Imaro hita, + R. Inamorona in canoes. Over grassy plains + several dup ver courses. Up valley of Farainy; open proses courses.
Masin drano to Ambata vota Imáro hita Namórona Ambó haka Jánambáo	15-	S. V. W. S. W. S. W.	Through scrub of forest; cross lathing over open country a little from second commentation of lather from second consistence of later of l
Masin drano to Ambata vota Imáro hiha Namórona Ambó haka Jánambáo Ivó himánitra	La 9	S. V. V. S. V. S. V. V. V. S. V.	Through scrub of forest; cross lashing over open country a little from sec- come come lashe in canoes on laving. Ambato vo taka. Grossy periore with fronts; westy lashes; cross lake near Imarobita, over grassy plains & several dely some courses. Over grassy plains & several dely some courses. Up valley of taraony; open grasses courses; erross, taraony in canoes. Up worded valley of taraony.
Masin drano to ambata vota Imáro hiha Namórona Ambó baka Jánambáo Ivó himánitra hamáy Ivóhi minim	12 24 24	S. V. W. The state of the state	Through scrub of forest; cross lathing over open country a little from sea cross; cross lake in canoes on laving Ambato vo taka. Grassy pecino in fronts westy lakes; cross lake near Imarobita, & R. Inamorona in canoes. Over grassy plains & several deep seas Courses. Up valley of Farainy; open grassy courses. Grassy country, with patches; cross ! Harainy in causes. Up worded valley of Farainy - worded valley of Farainy -
Masindrano to Ambatavota Imáro hita Namórona Namórona Ambó baka Jánambáo Ivó himánitra hamán Inhamán Ambó hi mánga Kély	12 24 24	S. V. W. The state of the state	Through scout of forest; cross lathing over open country a little from seen come on laving ambato vo taka. Ambato vo taka. Grassy pecine with forests; westy lakes; cross lake near Imarobita, of R. Inamorona in canoes. Over grassy plains & several dup ver courses. Up valley of Farainy; open grasse courses. Grassy country, with patches; cross ! Fárainy in causes. Up worded valley of Fárainy - worded valley of Fárainy hills.
Masin drano to Ambata vota Imáro hiha Namórona Ambó baka Jánambáo Ivó himánitra hamáy Ivóhi minim	12 24 24	S. V. W. The state of the state	Theorgh scrub of forest; cross lathing over open country a little from see- come come lake in canoes on laving ambato vo taka. Grossy perimo vir forests westy lakes; cross lake near Imarobita, the Inamorona in canoes. Over grossy plains & several dup see courses. Up valley of taraony; open proses courses; crossy country, with patches; cross. Haraony in causes. Up worded valley of taraony.

and Evorant Fest Dauplin tist day androvet. I Maintanandry answoranty month y R. Garoka. Janimandry Fort N. Cetruity of Lake Salo S. Explanely of N. Ephon. of L. Vahia S. Explore. of Valua Nava lavo.

N. pt. of Legon

Tangozy Cha

S. pt. of Channel of Tangozy lagoon 6 h. Exhinity of reach Exphusing ld Vato mand my Valomanty Fort 6 month of Kins Sakarivo Maintenandry 13 Days Sourney 39 Second Day Maint. & mahanoro. month of Russ Sakalina anton or Villy S. ph. of Maintin andry layon Maroscky M. of R. Manandry 1/4 Beparacy Osy & Lohariana

Andersvants III. Sauphin.
Fourth day continued Remarks by W. A. remarks or W. L. a. andervant It took me 4'z less. good walking also o nose vanila 3 m. correspo Confluence of Russ Just bryand the R. Sakled Hands Norivarilla, 20 houses Ogs from Beparasy to Mahanoro, good Mr. of K. Sakales Sasaka + Jantama hast tent road all the way - Distance on a Venff- Servel other Villages in neighborhood. nozivarika M. of K. Saraka Osheren 14 & 15 miles. Passed a village 4 miles touth of Nosivarika ambosáhana Mahanoro antara Cambo & then another 4 miles purther, of he some dis-Dago donney hance west of the road Cotal Janambas Third day Mahanors ambalovintaka Must of the way from Sakalio O temento no Joan an dra Umboor rapara Ir work 2/3 tors. Walk along ampoamanetra to along the son plain at the unit the belt of porist along the see 2 mambazato The coast road from the gova as Betsi zaraina tt. mahanors (S. of the ferry) to Salay destance tanivilona antsivalence. is at least 7 miles. It took 2 hr. do minutes good walk ambidi haramay Masina mile & go from Mosivarika & andrand The road described in this thincrary andranontsindrano 22 Salo Salay is abt. I mile arms to much further some m. of R. Mangoro anala lo Cona No Mer villege directly on road until ar nachel ambaha
talled of Sakafo 20 houses N. pt. of Fenarios 22 ambodi harana S. pt. of ten. lagon 12 Kantana l'assed a smake in e 2 tirs, from Halfed at a villege called ambaha. 4/6 hrs. S. pt. of Jahavi chan. anhanant ou ambodiharana, nached andranotsara 2/4 hrs. norched from antoha to mahanto at the South aide amboha andranotsara 9 m.

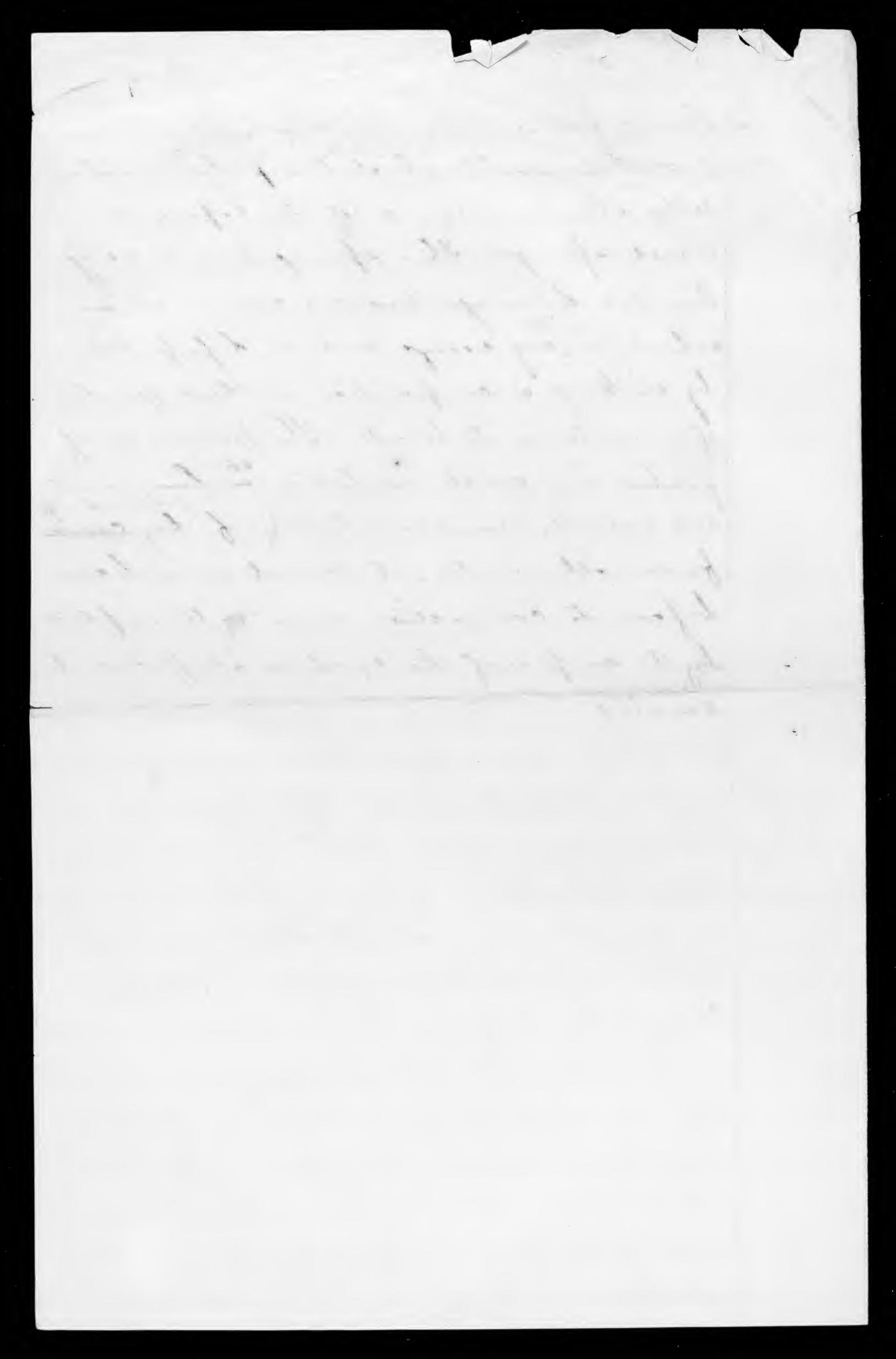
ferny our Lohotra R.

From Gentrandoura D' ampanontaana Lohi vohitra chan. M. of R. Lo hotra (M. of R. Fanantara 7= of tanatara mouth - in us. 42 miles. antonjondrano D'Crossed the Fanantava vinante other marchel 1/3 hr. 5 m. ampanontaona 40 houses. Ivolitromby ampanon toana on to makela, the path leading along the narrow stry anebolitsara Valon Kianja andranomidiroKa Valura the legions of the sea - Time have along the Confluence of Rivers rea vail itself. Reached Mahela, large village. 100 to R. Sakaro, entrance Sahantsio & Mahasora 150 houses in 2 hr. o 40 minutes - about 10 miles. Walked of Masolmelo Ra (without counting time Do Ranganzava lag. M. of R. Mahasora Passed a villege called antanambas, 30 houses 2 crossing Rivers, in 12 urs. making it abt. 6 m mahela Masomeloka miles beyord (Souther) to Formantara monthe went on a ambalavontaka in 13/4 hrs. making Man dinizara analaila ambalavontaka it abt. 7 miles. ambolavonteka only has 3 Lanandava Ft. 40 il not jo se Fanandava the pollust was along sea. 32 \frac{3}{4} inhabited henses & no supplies 1013/4 after sakato went an d'Ambinanivola 12 hrs.
1013/4 abt. 6 m. ambinanivo in 18 hors. Days Journey Days Journey Lotal 14 fifth day Tanandava T Mamorona Lotal 4" dag Ambat, D'Janandava passed small village prime bryant Vinambe, anssed Mr. of R. Rangany S. pt. of Rangagara from ambinanievola to Sakaleo 1011 M. of R. Ivolo vivambe of Kiver I e faka 1 4 hr., 5 m. from Mahela lejan. 1/2 25 hrs. abt. 9 miles. Consol a small ambohimanoro ist no 6 mile pour matiela. strian by bridge just eyend ambinan m. g R. 9 Efake 13/4 Hosindravina SakalEs ampandenanana 3 did not see amy i do Sakales 30 hours

andwarand to H. Sauphin. 5th day continued. Recel and virial is a us. 8 m june of the. ambohinas 5 Tsiatosika 7t. Toiatorike fort does not lie any when over the with it is miles away up the new Manayara. Sign. of Sefalla ch 2 My water correct brhum heale otherin-Chan. leading 5 1 Manany'ara. France - nochel ampandana 13 m. Fig tir. from Jejaka. Maind and 1 to 2 -1 Masindrano ankatefana is /4 mile from the vinange of R. Mar serjara 1/4 The Umperhana of tyme, or Combook rais curs here, ending at Longo zo (no village). at Ham Betsizara 3 poj a small vinana occurs (closed at thistime). antsivolem (Journ of 20 huts) ambalavontaka is 12 m. bryent the Masina taka vinang. & m. l'Eyend a. occurs Manapana, a Salo Bille je et 3 or 4 mils og the Betsimisarake called, M. of Bringary Marohita, about 28 houses neat & clean, inhabited by ankitan 6 Bytakana ankitan is riter from Marolita oracutter ambohipatrana village is / ler. further an ambolipatrane is the fire fill the lar of yerranghran Vinning Vivillage ties 1 m. S. of irinamy Verangerana M. of R. naw ovon !! namorona lies i m. up River W. Whe wast of miles namorona days journey 6th day Namorona & Loharano Como en Ampanalana of 1½ hr. 4½ m., Loholotta 10 houses. Jotal Masindrano Kely 12 Loho Coka andvanbomaro M. of R. andotso Volumissa er ambontaka ho thuagasrisa int Vato masina 7. lage villege (antaine vo) of 150-200 times. m. of R. Faraony Ambatosoa Hambazaha M. JR. Hampolo Loharano Day's Janney 20 yth day Loharano of ambolupino Total R. mananano mananano M. of R. Manan Kara Maran Kara

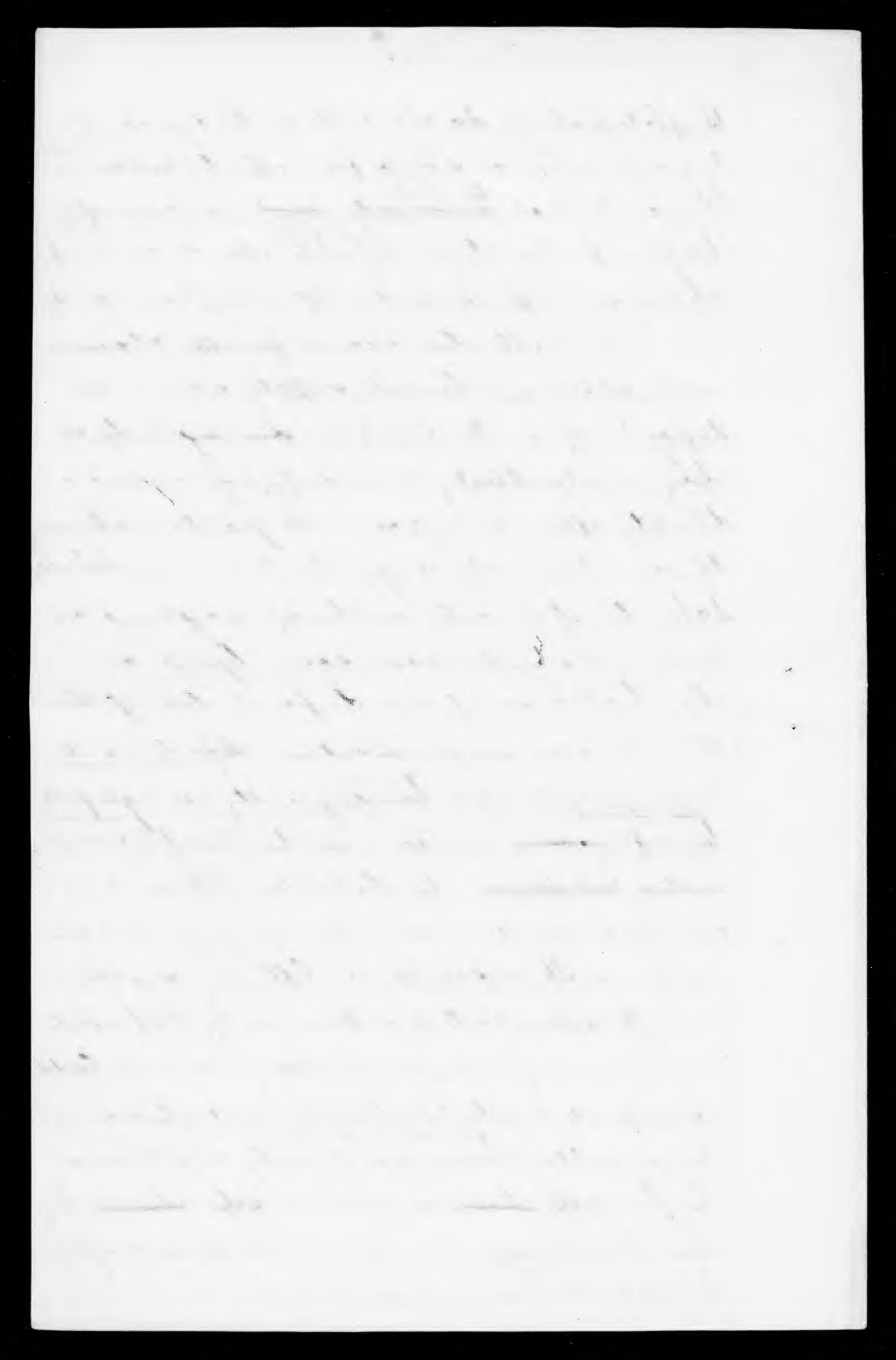
Harmey spring some that a large draw could ceaching exchance, which has fishes emdon tothe alenderes effect of the before men Fishes of Commanche Leon & Excondida Opings. The Comanche is the largest and is the only one, whose maters near more than a few mules above ground. All this walter has the same character-lumpid but Charged with chemical impunities. The greatest anumber tramely one seconin the Comanche; the two smaller spices only occurring in the others. There are very Dimilar in habit as well as form to the progres of the Coast feeding in knows in the mud and the about the roots of the grafs. Though all these ofnings have Dome species Common, the (cat fish wither phelong only to the Commanche. If these spring were the stocked with (at fish rollins) disappeared, he cause of the quantity or quality of the endle. The lumpia a very insignificant little brook numig but a few builes above ground has it fishes; and to the south each of this brook on an vonte Worksidis del Norte co a unal Registing the aparaption of having been bringled in a ducht size and - more fan ciful and infencious than philosophied

Spring vone that a large brain could ceachly exchanse, which has fisher emolar bother alendere spring of the before men: timed springs. This appring has a very limited drainage, has no comme chiow whatever any arrays and is displacted by einking or enaporation within a grant of a mile of it head. The presence of fishes in such isolated made is to followed up me wholly unaccountables; if they came from other under, it must have been before its comme clive was interrupted by the surface of the earth as at present existing



Texas trout. This delicions pan-fish inhabite all the clear water etreams under the great "land estacado". Ina transparent habitation renders an observ: and of the habits an easy & gratifying entertainment; they are seen lying still after the manner of a pike, or manner useally quelty around in small Rehvols at a greater on les depth. They may take grafohoppers, buy, the like, but minous, to claw fish rollin louly mainly agreatic animals constitute their food. They afford exquisite sport with angles who the encupated however much keep a supply of line minnows and them The took takes it leader rather fently, which it sevullows deliberately and as a rule does not dant off till I feels the line in to mouth or the hook in it somach. It attains to six or eight pounds in weight- pulls heavy on the leve and can seldom be laken in a serve which it mo some touches than I leaps. The the fishes of its kind with large and exposed fills spores it wa rapid desicedin

Buffall fish. to do called be cause of it great æige or some fanciful resem = blance bethat amend, and is one of the few feeles that whalit the derty and otherwise curpure waters of the Pecas and Ris Grande; it ales occurs in the clear water streams, when to supply elems to defined afron the freshels, during which they undoubtedly comes up, as unne = dialety after, it is seen in greater aboundance than at any other time. Ichelle Activals of twenty or thirty weighing as many prounds were seen lying on the bottoms of the deeper holes of the Ris Aueces apartalen; afrit-real lage proportions being greatly magnified by refraction as seen throughthe lempid water, cather the the beholder to find such small maters producing duch fishes. It is cometimes left in each numbers, particularly on Den. vine, by the freshet as Defford for the my Conjoles. Could never find any bale that it would take -the smaller ones are lainly captured by lancide the or sturning the by the discharge of a purtol. It is coff, leong voltrervise exceptionalle as pool.



bela trout. The specimen of the fish when well were procured in the Ris Sam Pedro. White a seine with the lettle were assertly the lattle there was consequently and approximity to observe it habit. It is less conspice wous them the descar brout, forther assert the water because the water which is less limited and also be cause it keeps further below the surface. It look the hooks beated with grafs happens but not being readily. It does not leap the seine or was caused in Company with the

Catfish souchers of the Miembres. Unlike all others

Opecies of the kind, do not habitually keep

an the bottom. Athe time there were

Caught the Ris Mimbres was a exception

of proofs, partly filled with an agrabic

grafs, above which there two expecies

were seen swimming around in perfect

hasmony. Readily alarmed, shying off

into the grafs, and generally declinging

all soots of enlicing batis. Their indifference

to arrenal food an initial thing with a cotton

led with conflicing that were herbine and

reflected to settle the question by an occurrending of

Fisher of Babacomon Somvita. The of these theams are very aboundant and take bet of any kind very rapely two acrowsly affording excellent sport, which was heightened, in the then straightened condition of com. stones, by the anticipation of a carry dish. The sonaita is one of the many streams of Northern Mercies, that after a sucception of risings sampings frually decappears alto= getten as soon as I emerges from the mountains in which it takes its ruce. Con ceining for the anchers, it was found that they made for the head of mening water or the under governd portion of the Tream, evidently seeking it for protestion if not living there habitually. This the Phis Senta Cruz others the source Is fishes accounted for, but this only Carries the question of origin but one stef buch, for the Ris Lante Cruz deily continues from a few miles along its head Continues & dominich tell by enaporation I deformeration through the sand, not one drop of to water in all human probability ever reaches the Gola, the Colora: do or Enly of California.